

## CURRICULUM VITAE

**Laura Ferreri** · PhD

**Date and place of birth:** 25/11/1987, Trescore B. - Bergamo, Italy

**Work Address :** Department of Brain & Behavioral Sciences, Piazza Botta 11, 27100 Pavia, Italia

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**Languages:** Italian (mother tongue) · French (full professional proficiency) · English (full professional proficiency) · Spanish (full professional proficiency) · Catalan (elementary proficiency)

### Diplomas and University degrees

<b>2014</b>	<b>PhD in Cognitive Psychology</b> LEAD CNRS, Université de Bourgogne, Dijon, France	<i>Supervisor:</i> Pr. Emmanuel Bigand <i>Co-supervisor:</i> Pr. Aurélia Bugaiska <i>Final note:</i> très honorable <i>Grant :</i> EBRAMUS, Marie Curie FP7 ITN MC FP7, GA 238157
<b>2011</b>	<b>M. Sc. in Cognitive Neuroscience</b> Università San Raffaele, Milan, Italy	<i>Supervisor:</i> Pr. Daniela Perani <i>Co-supervisor:</i> Dr. Danilo Spada <i>Final note:</i> 110/110 cum laude and honors
<b>2009</b>	<b>Bachelor's Degree in Psychological Sciences</b> Università San Raffaele, Milan, Italy	<i>Supervisor:</i> Pr. Daniela Perani <i>Co-supervisor:</i> Dr. Danilo Spada <i>Final note:</i> 110/110.
<b>2006</b>	<b>Classical Liceum Diploma</b> Istituto Salesiano Treviglio (BG), Italy	<i>Final note:</i> 100/100

### Current and previous positions

<b>2022 – present</b>	<b>Researcher</b> ( <i>rtdB</i> ), Department of Brain and Behavioral Sciences, Università di Pavia, Pavia, Italy
<b>2018 – present</b>	<b>Associate Professor</b> ( <i>Maître de Conférences</i> ), Faculty of Psychology, Laboratoire EMC, Université Lumière Lyon 2, Lyon, France.
<b>2017 – 2018</b>	<b>Associate Professor</b> ( <i>Profesor Asociado</i> ), Faculty of Psychology, Universitat de Barcelona, Barcelona, Spain.
<b>2015 – 2018</b>	<b>Post-Doc Researcher</b> , Brain Cognition & Plasticity Unit, Universitat de Barcelona, Barcelona, Spain.
<b>2014 – 2015</b>	<b>Post-Doc Assisant Professor in Cognitive Psychology</b> ( <i>ATER</i> ), Université de Bourgogne, Dijon, France.
<b>2011 – 2014</b>	<b>PhD student - Early Stage Researcher (ESR)</b> European Brain and Music (EBRAMUS) consortium, Marie Curie FP7 Initial Training Network (ITN MC FP7, GA 238157), LEAD CNRS UMR 5022 - Dijon, France.
<b>2010 – 2011</b>	<b>Research Internship</b> , Cognitive Neuroscience Centre, Università San Raffaele, Milan, Italy.

*Published / In Press* (\* for shared first authorship)

Curzel, F., Osiurak, F., Tran, E., Tillmann, B., Ripollés, P., **Ferreri, L.** (*in press*). Enhancing musical pleasure through shared musical experience. *iScience*.

Ginzburg, J., Cheylus, A., Collard, E., **Ferreri, L.**, Tillmann, B., Moulin, A., & Caclin, A. (*in press*). Role of the prefrontal cortex in musical and verbal short-term memory: A functional near-infrared spectroscopy study. *Imaging Neuroscience*.

**Ferreri, L.**, (*in press*) Musique, émotions et plaisir. *Musique, sciences et santé*. E. Bigand, G. Mick. Dunod Eds. [Book Chapter]

**Ferreri, L.**, Van Vugt, F., Bégel, V., Albouy, P., Lega, C., & Benoit, C. É. (2024). Future Directions in the Psychology of Music. *Advances in Cognitive Psychology (Editorial)*, 19(4), 1-2. <https://doi.org/10.5709/acp-0410-9>

Lippolis, M., Carraturo, G., **Ferreri, L.**, Vuust, P., Müllensiefen, D., Matarelli, B., & Brattico, E. (2023). Sensitivity to social reward in music behavior changes after music training in preadolescence. *Advances in Cognitive Psychology*, 19(4), 106-125. <https://doi.org/10.5709/acp-0409-z>

Navarro, J., Gaujoux, V., Ouimet, M. C., **Ferreri, L.**, & Reynaud, E. (2023). How does background music affect drivers' behaviours, emotions and mood behind the wheel?. *Transportation research part F: traffic psychology and behaviour*, 98, 47-60. <https://doi.org/10.1016/j.trf.2023.08.003>

Labaronne, M., **Ferreri, L.**, & Plancher, G. (2023). How do intentions modulate the effect of working memory on long-term memory?. *Psychonomic Bulletin & Review*, 1-12. <https://doi.org/10.3758/s13423-023-02381-4>

Fiveash, A., **Ferreri, L.\***, Bouwer, F. L., Kösem, A., Moghimi, S., Ravignani, A., et al.. (2023). Can rhythm-mediated reward boost learning, memory, and social connection? Perspectives for future research. *Neuroscience & Biobehavioral Reviews*, 105153 <https://doi.org/10.1016/j.neubiorev.2023.105153>

Curzel, F., Carraturo, G., Ripollés, P., & **Ferreri, L.** (2023). Better Off Alone? When Sharing Music Reduces Pleasure Responses. *Advances in Cognitive Psychology*, 19(4). <https://doi.org/10.5709/acp-0410-9>

Mas-Herrero, E., **Ferreri, L.**, Cardona, G., Zatorre, R. J., Pla-Juncà, F., Antonijoan, R. M., et al. (2023). The role of opioid transmission in music-induced pleasure. *Annals of the New York Academy of Sciences*, 1520(1), 105-114. <https://doi.org/10.1111/nyas.14946>

Mas-Herrero, E., Singer, N., **Ferreri, L.**, McPhee, M., Zatorre, R. J., & Ripollés, P. (2022). Music engagement is negatively correlated with depressive symptoms during the COVID-19 pandemic via reward-related mechanisms. *Annals of the New York Academy of Sciences*, 1519(1), 186-198. <https://doi.org/10.1111/nyas.14931>

**Ferreri, L.**, & Rodriguez-Fornells, A. (2022). Memory modulations through musical pleasure. *Annals of the New York Academy of Sciences*. <https://doi.org/10.1111/nyas.14867>

Benoit, C. E., **Ferreri, L.**, Lega, C., & van Vugt, F. T. (2022). Rhythm in human cognition and action: Health and pathology. *Frontiers in Psychology (Editorial)*, 13, 1047825. <https://doi.org/10.3389/fpsyg.2022.1047825>

Cardona, G., **Ferreri, L.**, Lorenzo-Seva, U., Russo, F., Rodriguez-Fornells, A., (2022). The forgotten role of absorption in music reward. *Annals of the New York Academy of Science*. <https://doi.org/10.1111/nyas.14790>

**Ferreri, L.**, Versace, R., Victor, C., Plancher, G. (2022). Temporal predictions in space: isochronous rhythms promote forward projections of the body. *Frontiers in Psychology*, 1657. <https://doi.org/10.3389/fpsyg.2022.832322>

Carraturo G., **Ferreri, L.**, Vuust, P., Matera, F., Brattico, E. (2022). Empathy but not musicality is at the root of musical reward: A behavioral study with adults and children. *Psychology of Music*, <https://doi.org/10.1177/03057356221081168>

- Ferreri, L.,** Breliet, M., Brunet, O., & Michael, G. A. (2021). Relaxing music and the self: Insights from the perception of spontaneous sensations. *Psychology of Music*, 03057356211055219. <https://doi.org/10.1177/03057356211055219>
- Gatti, D., Rinaldi, L., **Ferreri, L.,** Vecchi, T. (2021). The human cerebellum as a hub of the predictive brain. *Brain Sciences*, 11(11), 1492. <https://doi.org/10.3390/brainsci11111492>
- Ferreri, L.,** Riba, J., Zatorre, R.J., Rodriguez-Fornells, A. (2021). Chills, bets, and dopamine: a journey into music reward. *Neuroaesthetic In Focus.*, E. Cardillo & A. Eds. [Book Chapter]
- Ferreri, L.,** Mas-Herrero, E., Cardona, G., Zatorre, R. J., Riba, J., Valle, M. Ripollés, P., & Rodriguez-Fornells, A. (2021). Dopamine modulations of reward-driven music memory consolidation. *Annals of the New York Academy of Science*. doi: 10.1111/nyas.14656
- Ferreri, L.,** Singer, N., Mcphee, M., Ripollés, P., Zatorre, R. J., & Mas-Herrero, E. (2021). Engagement in music-related activities during the COVID-19 pandemic as a mirror of individual differences in musical reward and coping strategies. *Frontiers in Psychology*, 12, 2504. doi: 10.3389/fpsyg.2021.673772
- Cardona, G., Rodriguez-Fornells, A., Nye, H. Rifá-Ros, X., **Ferreri, L.** (2020). The impact of musical pleasure and musical hedonia on verbal episodic memory. *Scientific Reports*, 10, 16113. <https://doi.org/10.1038/s41598-020-72772-3>
- Ferreri, L.,** Mas-Herrero, E., Zatorre, R. J., Ripollés, P., Gomez-Andres, A., Alicart, H., et al. (2019). Dopamine modulates the reward experiences elicited by music. *Proceedings of the National Academy of Sciences*, 116(9), 3793-3798. <https://doi.org/10.1073/pnas.1811878116>
- François, C., Ripollés, P., **Ferreri, L.,** Muchart, J., Sierpowska, J., Fons, C., et al. (2019). Right structural and functional reorganization in 4-year-old children with perinatal arterial ischemic stroke predict language production. *eNeuro*, 10:1523. doi: 10.1523/ENEURO.0447-18.2019
- Ferreri, L.,** Moussard, A., Bigand, E., Tillmann, B. (2018). Music & the aging brain. *The Oxford Handbook of Music and the Brain*. M. Thaut & D. Hodges Eds., Oxford University Press. [Book Chapter] DOI: 10.1093/oxfordhb/9780198804123.013.25
- Ripollés, P.\*, **Ferreri, L.\***, Mas-Herrero, E., Alicart, H., Gómez-Andrés, A., Marco-Pallares, J., et al. (2018). Intrinsically regulated learning is modulated by synaptic dopamine signaling. *eLife*, 7, e38113. DOI: 10.7554/eLife.38113
- Ferreri, L.,** & Rodriguez-Fornells, A. (2017). Music-related reward responses predict episodic memory performance. *Experimental Brain Research*, 1-11. <https://doi.org/10.1525/mp.2016.34.2.167>
- Ferreri, L.,** & Verga, L. (2016). Music benefits on verbal learning and memory: When and how does it work? *Music Perception*, 34(2), 167-182. <https://doi.org/10.1525/mp.2016.34.2.167>
- Bonin, P., **Ferreri, L.,** Gelin, M., Fitamen, C., Bard, P., Bugaiska, A. (2016). Spotlight on the survival processing advantage: An fNIRS Study on Adaptive Memory. *Spatial, Long-and Short-Term memory: Functions, Differences and Effects of Injury*, Nova Science Publishers. [Book Chapter] hal-02181890
- Ferreri, L.,** Bigand, E., & Bugaiska, A. (2015). The positive effect of music on source memory. *Musicae Scientiae*, 19(4), 402-411. <https://doi.org/10.1177/1029864915604684>
- Ferreri, L.,** Bigand, E., Bard, P., & Bugaiska, A. (2015). The influence of music on prefrontal cortex during episodic encoding and retrieval of verbal information: a multichannel fNIRS study. *Behavioural Neurology*, 501, 70762. <https://doi.org/10.1155/2015/707625>
- Bugaiska, A., **Ferreri, L.,** Bouquet, C., Tapia, G., Kalenzaga, S. & Clarys, D., (2015). Self as a moderator of age-related deficit on recollection. *Année Psychologique / Topics in Cognitive Psychology*, 115, 77-88. DOI 10.4074/S0003503314000013
- Ferreri, L.,** Bigand, E., Perrey, S., Muthalib, M., Bard, P. & Bugaiska, A., (2014). Less effort, better results: how does music act on prefrontal cortex in older adults during verbal memory encoding? An fNIRS study. *Frontiers in Human Neuroscience*, 8:301. <https://doi.org/10.3389/fnhum.2014.00301>
- Ferreri, L.,** Bigand, E., Perrey, S. & Bugaiska, A. (2014). The promise of Near-Infrared Spectroscopy (NIRS) for psychological research: a brief review. *Année Psychologique / Topics in Cognitive Psychology*, 114(3), 537-569. <https://doi.org/10.4074/S0003503314003054>

**Ferreri, L.**, Aucouturier, J.J., Muthalib, M., Bigand, E. & Bugaiska, A., (2013). Music improves verbal memory encoding while decreasing prefrontal cortex activity: an fNIRS study. *Frontiers in Human Neuroscience*, 7:779. <https://doi.org/10.3389/fnhum.2013.00779>

## Scientific communications

### Posters & Flash talks

- Carraturo, G., **Ferreri, L.**, Cardona, G., Lorenzo-Seva, U., Rodriguez-Fornells, A., Brattico, E. (2023). The Italian Version of extended Barcelona Music Reward Questionnaire (eBMRQ): A Validation Study and Association with Age, Gender and Musicianship. *Association of Italian Psychology (AIP) – Experimental Section*, Lucca, Italy, 20-22 September 2023.
- Fullone, E., Gatti, D., Lazzari, G., Rinaldi R., Lega, C., **Ferreri, L.** (2023) La relazione tra le abilità ritmiche. *Association of Italian Psychology (AIP) – Experimental Section*, Lucca, Italy, 20-22 September 2023.
- Ferreri, L.**, Abergel, L., Bufalari, I., Fusar-Poli, L., Sperduti, M. (2023). The role of music in maladaptive daydreaming. *23rd Conference of the European Society for Cognitive Psychology (ES COP)*. Porto, Portugal, 6-9 September 2023.
- Curzel, F., Tillmann, B., **Ferreri, L.** (2023). Listening to music with a friend modulates reward responses and memory. *Conference of the European Society for Cognitive Psychology (ES COP)*. Porto, Portugal, 6-9 September 2023.
- Abergel, L., **Ferreri, L.**, Bufalari, I., Fusar-Poli, L., Sperduti, M. (2023). Symptômes de dissociation et sensibilité intéroceptive lors d'épisodes de Maladaptive Daydreaming. *Forum Société de Neuropsychologie de Langue Française (SNLF)*. Paris, France, 27-30 November 2023.
- Curzel, F., Tillmann, B., Fournel, A., Novembre, G., **Ferreri, L.** (2023): Tuning into harmony: Unveiling the influence of social music listening on pleasure and Inter-Neural Synchrony. *fNIRS Italy, Society for Near-Infrared Spectroscopy*, Padova, Italy, 6-7- July 2023.
- Chabin, T., Nave, K., Hodinott, J., **Ferreri, L.**, Grahn, J. (2023). The influence of rhythmic abilities and social context on musical pleasure: an EEG interbrain synchrony study. *Rhythm Production and Perception Workshop*. Nottingham, UK, 19-22 June 2023.
- Curzel, F., **Ferreri, L.** (2022). The influence of social sharing on emotional experience and inter-brain synchrony. *Association of Italian Psychology (AIP) – Experimental Section*, Padova, 27-30 September 2022
- Curzel, F., & **Ferreri, L.** (2022) . Enhancing pleasure and memory through shared music listening. *22<sup>n</sup> conference of European Society for Cognitive Psychology (ES COP)*. Lille, France, 29 August-1 September 2022
- Curzel, F., & **Ferreri, L.** (2022) The effect of shared music listening on pleasure and memory. *1er Colloque Interdisciplinaire du GDR Mémoire*. Toulouse, France, April 2022
- Curzel, F., Valero, B., **Ferreri, L.** (2021). Boosting memory performances through shared music listening. *Colloque 2021 du Groupe de recherche interdisciplinaire Mémoire*, Mas de Saboth, France, 12 – 15 October 2021
- Cardona, G., **Ferreri, L.**, Lorenzo-Seva, U., Russo, F.A., Rodríguez-Fornells, A. (2021). The forgotten role of transcendence in music reward. *The Neuroscience and Music VII Conference*, Aarhus, Denmark (hybrid format), 18-21 June 2021
- Curzel, F., Trâm, E., Osiurak, F., **Ferreri, L.** (2021). Boosting reward and pro-social behaviours through shared music listening. *The Neuroscience and Music VII Conference*, Aarhus, Denmark (hybrid format), 18-21 June 2021
- Carraturo, G., **Ferreri, L.**, Vuust, P., Matera, F., Brattico, E. (2021). Empathy but not Musicality is at the Root of Musical Reward: A Behavioral Study with Adults and Children. *The Neuroscience and Music VII Conference*, Aarhus, Denmark (hybrid format), 18-21 June 2021
- Curzel, F., Ripollés, P., **Ferreri, L.** (2021). Better when shared: listening to music with others increases the musical pleasure. Society for Affective Science. *Society Affective Science Conference, online*, 13-16 April 2021
- Mas-Herrero, E., **Ferreri, L.**, Cardona, G., Zatorre, R., Pla, F., Riba, J., Valle, M., Rodriguez-Fornells, A. (2021). The role of opioid transmission in music-induced pleasure. *The Neuroscience and Music VII Conference*, Aarhus, Denmark (hybrid format), 18-21 June 2021

- Lalande, P. Curzel., F. **Ferreri, L.** (2020) The implication of prefrontal cortex in musical pleasure : an fNIRS preliminary study. *Brain, Cognition, Emotion, and Music (BCEM) Conference*. Online, May 2020
- Cardona, G., Rodriguez-Fornells, A., Nye, H., Rifà-Ros, X., **Ferreri, L.** (2020). The impact of music-related reward responses on verbal episodic memory'. *Brain, Cognition, Emotion, and Music (BCEM) Conference*. Online, May 2020
- Cardona, G., Rodriguez-Fornells, A., Rifà-Ros, X., **Ferreri, L.** (2019) Music-related reward responses and verbal episodic memory'. *LABEX CORTEX conference "The dynamic and flexible nature of memories"*, Lyon (France), June 2019.
- Ferreri, L.**, Mas-Herrero, E., Zatorre, Marco-Pallares, J., Gomez-Andrés, A., Alicart, H, Olivé, G., Valle, M., Antonijoan, R., Riba, J., Rodriguez-Fornells, A. (2017). Music-related reward responses modulate episodic memory formation via the hippocampus-dependent dopaminergic circuit. *Neuroscience and Music VI*, Boston (USA), 15-18 June 2017.
- Ferreri, L.**, Morís-Fernandez, J., Cucurrell, D., Rodriguez-Fornells, A. (2016). From beats to music: neural entrainment in theta band. *Organization for Human Brain Mapping (OHBM) Annual Meeting*, Geneva, 26-30 June 2016.
- Beffara, B., Bret, A., **Ferreri, L.**, Bard, P., Vermeulen, N., Bugajska, A., & Mermillod, M. (2016). Healthy adults with lowest levels of cooperation are more cooperative after heart rate variability biofeedback. *Annual Conference of the Society for Affective Science*, Chicago (USA), March 2016.
- Ferreri, L.**, Bigand, E., Bugajska, A. (2014) Music, memory and prefrontal cortex: a multi-channels fNIRS study on encoding and retrieval of verbal material. *The Neuroscience & Music - V*, Dijon, France, 29 May -1 June 2014.
- Ferreri, L.**, Bigand, E., Perrey, S., Muthalib, M., Bugajska, A. (2014). Music enhances memory performances in young and older adults by modulating prefrontal cortex activity: an fNIRS study. *9<sup>th</sup> FENS (Federation of European Neuroscience Societies) Forum*, Milan, Italy, 5-9 July 2014.
- Ferreri, L.**, Aucouturier, JJ., Bigand, E., Bugajska, A. (2012). Monitoring the DLPFC during the encoding of verbal material with or without a musical context: a Near InfraRed Study. *Deuxième Journées Perception Sonore (JPS)*, Marseille, France, 11-12 December 2012.

#### Invited Talks · Seminars · Workshops · Symposiums

- Ferreri, L.** (2024). Better when together? Modulating musical pleasure through social sharing. *Invited talk at Pathways Through Music Evolution Symposium*, Padova, Italy, 3-4 April 2024.
- Ferreri, L.** (2024). The neuroscience of music: from pleasure to memory. *Keynote at SINDEM for Juniors, 11<sup>th</sup> Winter Seminar on Dementia and Neurodegenerative Disorders*. Bressanone, Italy, 14-16 February 2024.
- Ferreri, L.** (2023) Musical pleasure and its influence on human memory. *Invited talk at the congress Music: Origin, the Brain, and Evolution*. Venice (Italy), online, 10 November 2023.
- Fullone, E., Gatti, D., Lazzari, G., Lega, C., **Ferreri, L.** (2023) The relationship between rhythmic abilities and music reward sensitivity. *Selected talk at the conference of the European Society for Cognitive Psychology (ESCP)*. Porto, Portugal, 6-9 September 2023.
- Ferreri, L.** (2023). Plaisir musical et mémoire. *Symposium at the Journées Françaises de l'Epilepsie 2023*. Saint Malo (France), online, 10-13 Octobre 2024.
- Curzel, F., Tillmann, B., Fournel, A., Novembre, G., **Ferreri, L.** (2023): Tuning into harmony: Unveiling the influence of social music listening on pleasure and Inter-Neural Synchrony. *Talk at the fNIRS Italy, Society for Near-Infrared Spectroscopy*, Padova, Italy, 6-7- July 2023.
- Ferreri, L.** (2022). Enhancing music reward through music sharing. *Invited talk at Journée d'étude LEAD CNRS Music from head to toe: rhythmic synchronization, social interaction, and the reward system*. Dijon, France, 14 November 2022.
- Ferreri, L.** (2022). Sharing music listening to enhance pleasure and memory. *Symposium at the association of Italian Psychology (AIP) – Experimental Section*, Padova, 27-30 September 2022
- Ferreri, L.**, (2022) Dal piacere alla cognizione: le implicazioni delle risposte di ricompensa legate alla musica nella memoria. *Invited talk at Convegno Voci & Suoni*, Padova, Italy, 24-25 June 2022.
- Curzel, F., **Ferreri, L.** (2022). L'écoute partagée de la musique : un paradigme de fNIRS hyperscanning *Workshop fNIRS at CerCo (The Brain and Cognition Research Center) - Société de Psychophysologie et de Neurosciences Cognitives*, Toulouse, France, 24 March 2022.

- Ferreri, L.** (2022) Musical pleasure: neurobiological bases and cognitive implications (2022). *Invited talk, Institut Jean-Nicod, Paris, 21 March 2022.*
- Plancher, G., Tillmann, B., **Ferreri, L.** (2021). Boosting memory with temporal regularities. *Talk given by G. Plancher at Psychonomic Society (62<sup>nd</sup> annual meeting), Online, 4-7 November 2021.*
- Ferreri, L.** (2021) Engagement in music-related activities during the COVID-19 pandemic as a mirror of individual differences in musical abilities and coping strategies. *Symposium at ICMPC-ESCOM 2021, Online, 28-31 July 2021.*
- Ferreri, L.** (2021) Musical pleasure as a tool to improve memory and affection" *Talk at the Neuroscience and Music VII Conference, Aarhus, Denmark, Online, 18-21 June 2021.*
- Ferreri, L.** (2021) La musique: un moyen pour la stimulation cognitive et la remédiation. *Invited talk at Colloque Handiversité 2021, Paris Saclay, Online, 15 April 2021.*
- Ferreri, L.** (2020) Music and emotion: the role of dopaminergic reward system. *Seminar at Uppsala University (Finland), Online, 9 October 2020.*
- Ferreri, L.** (2020) Musica ed emozioni. *Music and neuroscience – Seminar at G. Ferrari Music-Therapy School of Padov (Italy). Online, 24 May 2020.*
- Ferreri, L.** (2020) Musique, mémoire et émotions. *Seminar at Université de Lille, Lille, France, 21 January 2020.*
- Ferreri, L.** (2019) Musique et émotions : du plaisir à la cognition. *Invited talk at IREMUS Sorbonne, Université Sorbonne, Paris, France, 16 November 2019.*
- Ferreri, L.** (2019) La musique, un universel pour l'être humain. *Invited talk at Conservatoire Paris Saclay, Colloque Handicap et Enseignement Artistique, Paris, France, 03 March 2019.*
- Ferreri, L., Cardona, G., Rodriguez-Fornells, A.,** (2018) Music-related reward responses and their implications in episodic memory. *Symposium for SEPEX – SEPNECA – AIC Congress. With Dr. Clément François, Dr. Daniele Schön and Dr. Lucía Vaquero. Madrid, Spain, 24 July 2018.*
- Ferreri, L.** (2018) Musique et cerveau: plasticité cérébrale et stimulation cognitive. *Keynote for Journées de la Création by SACEM & Nuits de Fourvière, Lyon, France, 28 June 2018.*
- Ferreri, L.** (2018) The implications of dopaminergic transmission in musical pleasure and memory. *Invited talk at Barcelona Lectures Series, University of Barcelona, Barcelona, Spain, 31 May 2018.*
- Ferreri, L.** (2017) Musica e memoria: dal piacere alla cognizione. *Music and neuroscience - Workshop, G. Ferrari Music-Therapy School. With Dr. Daniele Schön and Dr. Elvira Brattico, Padova, Italy, 18 November 2017*
- Ferreri, L., Mas-Herrero, E., Ripollés, P.** (2017) The implications of dopaminergic transmission in affective responses and cognitive functions" *Seminar at Montreal Neurological Institute, McGill University, Canada, 7 October 2017.*
- Ferreri, L.** (2017) Music-related reward responses and memory performance: a pharmacological approach. *Seminar at David Poeppel's Lab – seminar session, New York University, New York (USA), 20 June 2017.*
- Ferreri, L., et al.** (2017) Music-related reward responses modulate episodic memory formation via the hippocampus-dependent dopaminergic circuit. *Neuroscience and Music VI – Outstanding Poster Awards oral sessions, Boston (USA), 15-18 June 2017.*
- Ferreri, L.,** (2015) Music and memory. *Theory and Practice of Music Cognition - Workshop, Academia Teatro alla Scala, Milano, Italy, 10 March 2015.*
- Ferreri, L.,** (2015): Emotions and memory: music and the aging process. *Invited talk at "Musica: un senso per tutti – strategie musicoterapiche per l'ampliamento delle capacità comunicative in ambito clinico e didattico" - Workshop, Rovereto, Italy, 15 January 2015.*
- Ferreri, L.,** (2014) Less efforts for better results? Music, memory and prefrontal cortex in fNIRS studies. *Symposium for the National Congress of Experimental Psychology, Pavia, Italy, 15 September 2014.*
- Ferreri, L.,** (2014) NIRS for music-therapy based investigation in premature infants. *Seminar at MANDARI meeting, Goldsmith University, London, 2-5 July 2014.*
- Ferreri, L.** (2013): Investigating the effects of music on cognitive functions using fNIRS. *New perspectives for stimulating cognitive and sensory processes - Conference, Pavia, Italy, 20-22 September 2013.*
- Ferreri, L., Bigand, E., Bugajska, A.** (2013) Near InfraRed Spectroscopy: an emerging tool for research in Cognitive Psychology. *Music in rehabilitation of patients with memory and learning deficits - Workshop, Lille, France, 17-18 January 2013.*
- Muthalib, M., **Ferreri, L.** (2012) Presentation of Near InfraRed Spectroscopy. *Seminar at LEAD seminar session, Dijon, France, 6 September 2012.*

## Grants & fundings

<b>2021 – 2024</b>	ANRJC (Agence National de la Recherche scientifique – Jeune Chercheur) grant. Principal Investigator. <b>240k €</b>
<b>2019 – 2021</b>	Lauréat IMPULSION (IDEX Lyon grant). Principal Investigator. <b>75k €</b>
<b>2018 – 2019</b>	Grammy's Research Awards. Collaboration with Dr. Ernest Más-Herrero and Dr. Robert Zatorre (McGill University, Montreal). <b>20k \$</b>
<b>2015 – 2016</b>	Morelli-Rotary Foundation Postdoctoral Fellowship. Principal Investigator. <b>20k €</b>

## Other scientific activities

**Peer reviewing:** Aging, Neuropsychology and Cognition · Brain Structure & Function · Experimental Brain Research · Frontiers in Auditory Neuroscience · Frontiers in Psychology · Human Brain Mapping · Journal of Cognition · Journal of Cognitive Psychology · Journal of Psychophysiology · Memory & Cognition · Musicae Scientiae · Music Perception · Nature Communications · Neuroscience & Biobehavioral Reviews · PlosONE · Psychology and Aging · Psychology and Neuroscience · Psychomusicology: Music, Mind, and Brain · Psychonomic Bulletin & Review · Scientific Reports

**Evaluation of scientific projects for institutions:** Max Planck Institute for Human Cognitive and Brain Sciences · Agence Nationale de la Recherche Scientifique (ANR)

**Evaluation of scientific abstracts for conferences:** European Society of Music Cognition conference (ESCOM); Journées d'Étude du Vieillessement (JEV)

**Editor:** Advances in cognitive Psychology (Associate) · Frontiers in auditory neuroscience (Associate) · Frontiers in Psychology (Guest Associate)

### Scientific events organization:

- May 2022: seminar sessions with invited speakers R. Zatorre (Montreal Neurological Institute, Canada) & V. Penhune (Concordia University, Canada), Pavia, Italy
- September 2021: "Music – better when together" REMEMUS ANR Workshop, Lyon, France
- October 2020: Journées d'Étude du Vieillessement (JEV), Online

## Teaching activities

*Qualifications:* France, MCF Section 16 (Psychology) 2015; France, MCF Section 69 (Neuroscience) 2017; Spain, AQU Lecturer 2017; Italy, ASN PSI/01 Associate Professor 2022

University	Hours of teaching and position	Subjects	Degree	Lang
<b>Université de Bourgogne,</b> Psychology Department	263h Assistant/ Researcher	Cognitive psychology (perception, memory and language) Experimental methods Music psychology Neuroscience and music Developmental psychology	Bachelor's	FR
<b>Universitat de Barcelona,</b> Psychology Department	190h Associate professor	Cognitive psychology (memory) Thinking and problem solving Neuroscience (memory and neuroimaging)	Bachelor's and Master	ESP ENG
<b>Université Lumière Lyon 2,</b> Psychology Department	≈700h Associate professor	Cognitive sciences Cognitive neuroscience Cognitive psychology Psychobiology Music psychology Neuroscience and music	Bachelor's and Master	FR
<b>Università degli Studi di Pavia,</b> Psychology Department	≈150h Invited professor Assistant professor	Psychology of Music Neuroscience of music Experimental neuroscience	Master	ENG
<b>Università degli Studi di Padova,</b> Psychology Department	8h Invited professor (ERASMUS+)	Music Psychology	Master	ENG



## Academic roles and responsibilities

Role	University	A.Y.
<b>Coordinator of the Master Program</b> Sciences Cognitives Fondamentales et Appliquées	Université Lumière Lyon 2	2020-2022
<b>Coordinator of the Teaching Unit</b> Cognitive Neuroscience	Université Lumière Lyon 2	2020-2022
Psychology and neuroscience of music	Università di Pavia	2022-present
<b>Referent of the UniPv Teaching Program</b> 2-years Master in Music therapy	Conservatorio di Milano & Università di Pavia	2023-present
<b>Co-Supervisor of PhD thesis</b> (3 students)	Universitat de Barcelona	2020-present
	Université Lumière Lyon 2	2021-present
	Università di Pavia	2022-present
<b>Supervisor of research internship</b> (Bachelor's, 6 students; Master, 1 student; Graduate, 1 student)	Université de Bourgogne	2013-2014
	Universitat de Barcelona	2015-2016
	Université Lumière Lyon 2	2018-2022
	Università di Pavia	2022-present
<b>Supervisor of M. Sc. Thesis</b> (≈40 students)	Université de Bourgogne	2013-2015
	Universitat de Barcelona	2015-2018
	Université Lumière Lyon 2	2018-2022
	Università di Pavia	2022-present

## Dissemination activities

<b>Selected Talks</b>	<ul style="list-style-type: none"><li>• <b>Conference-debate</b> on music and the brain with Gabriele Beccaria and Davide Dileo Boosta (Subsonica), Festival Salute, Roma, Italy, 12 October 2024</li><li>• Conférence "La vie est-elle possible sans musique ?" , Parc Galea - Tagliu è Isulacciu, Corse, France</li><li>• <b>Conference-debate</b> "La música en el corazón de la neurociencia, Granada, Spain, 18 May 2024"</li><li>• <b>Conference-Concert-Experiment</b> "Esperimenti Neurosinfonici", With the Milan Symphonic Orchestra, 19 January 2023</li><li>• <b>Conference-debate</b> "Musique, une drogue dure?" Peniche Pop' Paris, 21 March 2022</li><li>• <b>Conference-debate</b> "Cerveau et Musique", Semaine du cerveau, Institut Pasteur, Paris, 19 March 2022</li><li>• <b>Conference-Concert</b> "Musica e Scienza: il cervello musicale", with the Milano Verdi Orchestra &amp; Maestro Ruben Jais, Auditorium Verdi, Milano, Italy, 18 February 2022.</li><li>• <b>Conference-Concert</b> "Musique, émotions et mémoire. Du plaisir aux souvenirs", Pop'Science - Jazz à Vienne, Vienne, France, 9 Juillet 2021.</li><li>• <b>TEDx Milano</b> "Che vita sarebbe senza musica?", Teatro Dal Verme, Milano, Italy, September 2019.</li><li>• <b>Café débat for the 80 years of CNRS</b>, "Sur les traces de la mémoire", with H. Chainay, , O. Koenig, G. Plancher, R. Versace, Lyon, France, January 2020.</li><li>• <b>Conference-Concert</b>, "Music and the swinging brain", with Pr. Emmanuel Bigand &amp; Rolling String Quartet. Celebration for the 100 years of Carlo Besta Neurological Institute, Castello Sforzesco, Milan, Italy, 25 January 2018.</li></ul>
<b>Popular Science Articles</b>	<ul style="list-style-type: none"><li>• (2019) "Musique et mémoire", with E. Bigand, <i>Révue de Santé Scolaire et Universitaire</i>.</li><li>• (2017) "Musique et plasticité neuronale", <i>Revue internationale d'éducation de Sèvres : Musique et éducation</i>.</li><li>• (2016) "Quando la musica ci fa oscillare: un viaggio nella sincronizzazione neurale" <i>Neuroscienze ANEMOS</i>.</li></ul>
<b>Selected press and media</b>	<ul style="list-style-type: none"><li>• <a href="#">Repubblica</a> (It), 2023</li><li>• <a href="#">Rai Scuola</a> (It), 2022</li><li>• <a href="#">Focus</a> (It), 2022</li><li>• <a href="#">Tempo Santé</a> (Fr), 2021</li><li>• <a href="#">Radio Raheem</a> (It), 2020</li><li>• <a href="#">The Huffington Post</a> (Fr), 2020</li><li>• <a href="#">Le Figaro</a> (Fr), 2020</li><li>• <a href="#">Inverse</a> (Eng), 2019</li><li>• <a href="#">Psychology Today</a> (Eng), 2019</li><li>• <a href="#">Le Figaro</a> (Fr), 2019</li><li>• <a href="#">El Mundo</a> (Esp), 2019</li><li>• <a href="#">La Vanguardia</a> (Esp), 2019</li></ul>
<b>Others</b>	<ul style="list-style-type: none"><li>• 2023-present: Editorial board for the NeuroMus bimonthly newsletter for Italian Community of Neuroscience &amp; Music</li><li>• January-March 2024: Organization of the lecture series Neuroscience &amp; Music at Scaldasole Bookstore (Milan, Italy). With Carlotta Lega &amp; Roberta Bianco</li></ul>